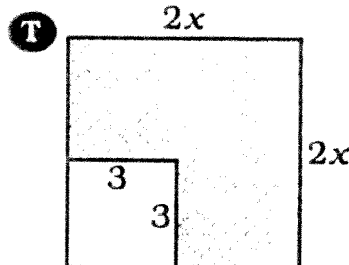
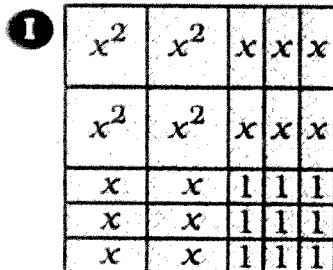
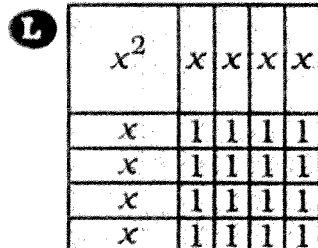


Why Did Kevin Klutz Give Up Tap Dancing?

Write the letter of the exercise in the box that contains the number of the answer.

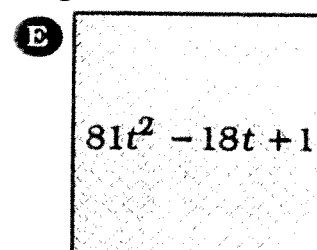
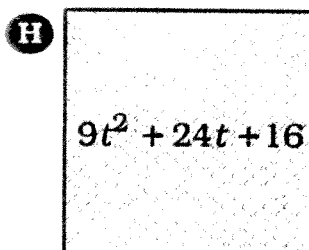
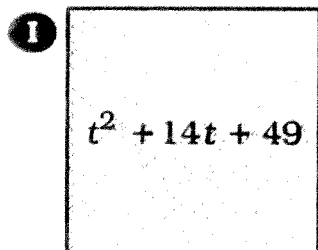
Set 1. Write a polynomial for the shaded area, then factor the polynomial.



Set 1 Answers

- 27** $(2x + 3)^2$
5 $(2x - 3)^2$
22 $(2x + 3)(2x - 3)$
11 $(x + 4)^2$
18 $(x + 3)(x - 3)$

Set 2. Find the length of a side of the square. The area is given.



Set 2 Answers

- 29** $9t + 1$
17 $t + 7$
24 $9t - 1$
12 $3t + 8$
1 $3t + 4$

Set 3. Factor the expression.

- I** $n^2 - 36$ **E** $n^2 - 12n + 36$
T $n^2 - 400$ **K** $n^2 + 24n + 144$
N $4n^2 - 25$ **O** $4n^2 + 20n + 25$

Set 3 Answers

- 23** $(2n + 15)(2n - 15)$ **20** $(2n + 5)^2$
13 $(n + 6)(n - 6)$ **15** $(n - 20)^2$
14 $(2n + 5)(2n - 5)$ **5** $(n - 6)^2$
9 $(n + 12)(n - 12)$ **10** $(2n - 5)^2$
19 $(n + 20)(n - 20)$ **29** $(n + 12)^2$

Set 4. Factor the expression.

- T** $16a^2 - 1$ **H** $16a^2 - 8a + 1$
A $9a^2 - 64$ **E** $9a^2 + 48a + 64$
N $4 - 49a^2$ **K** $4 - 28a + 49a^2$

Set 4 Answers

- 7** $(4a + 1)(4a - 1)$ **21** $(3a - 8)^2$
26 $(3a + 16)(3a - 16)$ **2** $(3a + 8)^2$
18 $(2 + 7a)(2 - 7a)$ **8** $(2 + 7a)^2$
10 $(3a + 8)(3a - 8)$ **23** $(4a - 1)^2$
12 $(4a + 2)(4a - 2)$ **4** $(2 - 7a)^2$

Set 5. Factor the expression.

- G** $100x^2 - y^2$ **S** $100x^2 + 20xy + y^2$
P $4x^2 - 81y^2$ **F** $4x^2 - 36xy + 81y^2$
N $64x^2 - 225y^2$ **L** $x^2 + 60xy + 900y^2$

Set 5 Answers

- 16** $(x + 30y)(x - 30y)$ **9** $(2x - 9y)^2$
28 $(8x + 15y)(8x - 15y)$ **3** $(2x + 9y)^2$
15 $(10x + y)(10x - y)$ **26** $(10x + y)^2$
25 $(4x + 15y)(4x - 15y)$ **12** $(x + 30y)^2$
6 $(2x + 9y)(2x - 9y)$ **21** $(10x - y)^2$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
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